LuLeey INS2M2GF4GT Datasheet V1.0

Guide rail managed industrial Ethernet switch, with 2 Gigabit fiber ports and 4 Gigabit copper ports

- 2 Gigabit fiber ports and 4 Gigabit copper ports are provided
- Fan-free design, operating temperature: -40 ~ 85°C
- IP40-rated protection, shock-resistant aluminum enclosure
- Support for dual power supply redundant backup input, with a wide range of 9-48 VDC
- EMC industrial rating level 4 electromagnetic compatibility standard
- WEB interface, dial switch rapid configuration
- Support for one-button recovery of factory settings
- Support for STP/RSTP ring protection, and SNMP V1/V2c network management platform

Product profile

INS2M2GF4GT is a guide rail managed industrial Ethernet switch that provides 2 Gigabit fiber ports and 4 Gigabit copper ports via a fan-free and low-power design with industrial rating level 4 and IP40-rated protection. Each product, featuring an operating temperature of -40 - 85°C, superior solidness, design for network communications in harsh applications, high EMI/EMS protection, has been 100% qualified in aging tests.

For example, STP/RSTP, 802.1Q VLAN, QoS function,, port aggregation, port mirroring, loop detection, etc.; support for port configuration, jumbo frame mode, port statistics, speed dial configuration, online upgrade, etc.; support for WEB, SNMP and other access methods. The friendly, simple and convenient interface design of network management system offers a good user experience.

Product features

- Support the 802.1Q VLAN of 4K range;
- Support the web page management configuration; and hardware one-button recovery of factory settings
- Dual power inputs with a wide range of 9-48 VDC;
- Dial switches enable ringing and port isolation

- QoS (IEEE 802.1p and DSCP) improves data transfer certainty;
- Port mirroring feature assists in online troubleshooting and allows for data analysis and monitoring
- Port aggregation increases bandwidth and enhances the reliability of network connection
- Spanning Tree Protocol STP/RSTP ring redundancy
- Port loop detection reduces the impact of access loop on the entire network

Product properties

Applicable standards
IEEE 802.3 10BaseT
IEEE 802.3u 100BaseT
IEEE 802.3z 1000BaseFX and 1000BaseT
IEEE 802.3x flow control
IEEE 802.1d-2004 STP protocol
IEEE 802.1w RSTP protocol
IEEE 802.1p Qos
IEEE 802.1q VLAN
SNMPv1/v2c
HTTP, DHCP Client

Switching feature
Backplane bandwidth: 12 Gbps
List of MAC addresses: 2K
Chip buffer size: 12 KByte

Port
Fiber port: 1000 Mbps
Copper port: 10/100/1000 Mbps self-adaptive, Full/Half duplex mode, MDI/MDI-X supported.
LED indicator: P1, P2, RUN, L/A

Power source requirement
Input voltage: DC 9~48 V (redundancy)
Full-load power consumption: 5W
Input current: Maximum DC current, 400 mA

Physical properties
Enclosure: Aluminum enclosure, IP40-rated protection
Size: 116 × 85 × 33mm
Weight: 390 g
Mounting method: Guide rail type

Environmental restrictions
Working temperature: -40 ~ 85°C (-40 ~ 185°F)
Storage temperature: -40 ~ 85°C (-40 ~ 185°F)
Relative ambient humidity: 5 ~ 95% (non-condensing)

Standards and certification
EMS:
IEC61000-4-2(ESD) level 4, IEC 61000-4-4 (EFT) level 4, IEC 61000-4-5(Surge) level 4
Anti-vibration performance: IEC 60068-2-6
Shock resistance: IEC 60068-2-27
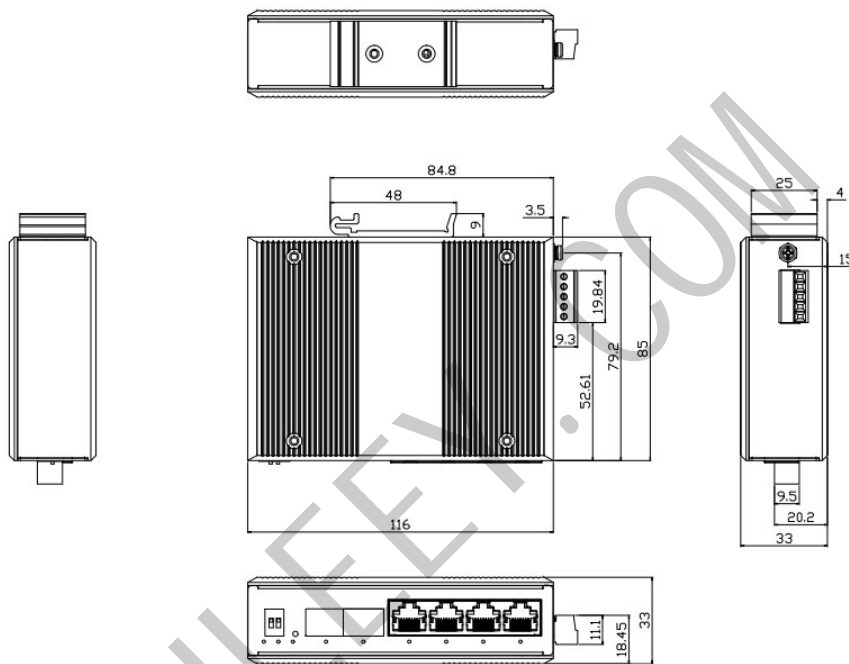**Free fall:** IEC 60068-2-32

MTBF (mean time between failures)
Time: 500000 h

Warranty
Quality assurance: 3 years

Fiber properties

	1000BaseFX	
	Multimode	**Single mode**
Wavelength	850 nm	1310/ 1550nm
Maximum transmission power	-3 dBm	0 dBm
Minimum transmission power	-8 dBm	-10 dBm
Receiving sensitivity	-19 dBm	-22 dBm
Link budget	11 dB	12 dB
Typical distance	550 m	20 km
Saturation	-3 dBm	-3 dBm

Product size (mm)

Order information

	Port type			
Optical model	**10/100BaseT**	**10/100/1000BaseT**	**1000BaseFX**	
			Single mode	**Multimode**
M2GF4GT-M	–	4	2	

<div>

Parking list

- Ethernet switch
- Installation accessories
- User's Manual
- Warranty Card & Conformity Certificate

</div>